

Summary

The Spent Nuclear Fuel (SNF) mission consists of the Spent Nuclear Fuel Project WBS 1.3.1.1 (Project Baseline Summary [PBS] WM01) and the subsequent Canister Storage Building (CSB) Operations Project WBS 1.3.2.1 (PBS WM02), which doesn't start until FY 2004.

The Canister Storage Building (CSB) is 94 percent complete, compared to 95 percent planned. The Cold Vacuum Drying (CVD) Facility is 92 percent complete compared to 94 percent planned.

Factory testing of the CSB Tube Vent and Purge Cart was completed. A Request for Proposal was issued for the CSB weld hood. The General Contract for the remaining Canister Storage Building (CSB) construction work was awarded to G. A. Grant Company with the design elements of the work subcontracted to Diversified Metal Products, Inc. RL provided authorization to weld CSB tubes.

The Multi-Canister Overpack (MCO) fabrication contractor (Joseph Oat) completed all shop drawings, placed all material procurements, and placed all subcontracts necessary for MCO fabrication.

The first shipment of long-lead procurements for the MCO baskets (centerposts and baseplates) was received. The long-lead procurement contract for the outside posts was awarded. Fabrication of practice MCO baskets was completed. Fabrication of production MCO baskets was initiated at the Hanford Site. The MCO Topical Report was approved by RL.

A Tri-Party Agreement milestone (M-34-15A-T1) for completion of installation of Process Equipment Skids, HVAC equipment, and other support equipment in the first two bays of the Cold Vacuum Drying (CVD) Facility was completed as scheduled. Installation of upgraded CVD Facility firewalls was completed. Safety class Helium Gas Cylinders for the CVD process were received. Construction Acceptance Testing and Pre-operational Acceptance Testing of systems within Bays 4 and 5 of the CVD Facility continued. Fabrication of equipment for installation in Bay 3 is on going.

Preparations continued for initiation of cold testing of the K West Basin Fuel Retrieval System and Integrated Water Treatment System by December 31, 1999. Closure of punch-list items remaining from construction is on going.

The Integrated Safety Management System (ISMS) Phase I and Phase II Verification for the SNF Project was completed by DOE-HQ. The conclusion from the Verification was that the fundamental SNF Project approach is sound and that the SNF Project has implemented ISMS.

Fiscal year-to-date milestone performance (EA, DOE-HQ, Field Office, and RL) shows 7 out of a total of 7 milestones (100 percent) are on schedule. The Milestone Achievement details, found following cost and schedule variance analysis, provide further information on all milestone types.

Accomplishments

- CSB project is 94 percent complete vs. 95 percent planned.
- CVD Facility is 92 percent complete vs. 94 percent planned.
- The MCO Topical Report was approved by RL, as planned.
- Fabrication of production MCO baskets was initiated at the Hanford Site, as planned.
- Integrated Safety Management System Phase I and Phase II Verification of the SNF Project was successfully completed.

Cost Performance (\$M):

	BCWP	ACWP	VARIANCE
Spent Nuclear Fuels	\$22.0	\$26.2	-\$4.2

The \$4.2 million (19 percent) unfavorable cost variance is primarily a result of Cold Vacuum Drying engineering costs higher than planned; contract accruals misrepresented; Spent Nuclear Fuel Project Fee requirements and Safety Analysis Reports.

Schedule Performance (\$M):

	BCWP	BCWS	VARIANCE
Spent Nuclear Fuels	\$22.0	\$27.8	-\$5.8

The \$5.8 million (21 percent) unfavorable schedule variance is primarily a result of late award of fixed price contract of the Canister Storage Building; Facility Modifications and Integrated Water Treatment System KE construction; and modular office trailer procurements delayed.

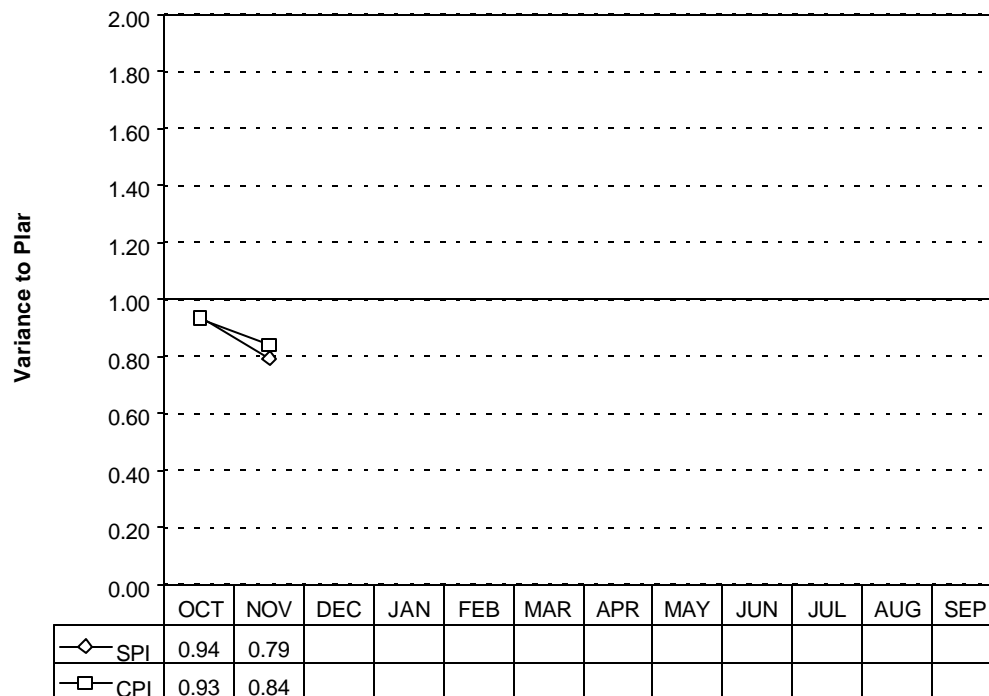
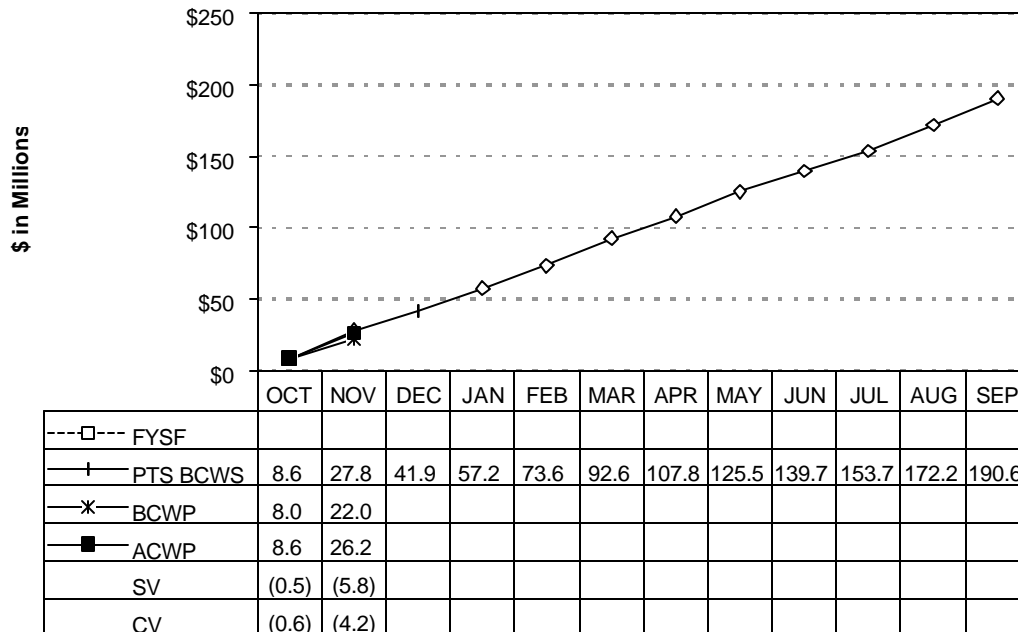
Issues

MCO Quality Assurance Requirements: The U.S. Department of Energy, Richland Operations Office (RL) provided direction to Fluor Daniel Hanford, Inc. to include the Multi-Canister Overpacks (MCOs) and the MCO baskets on the Hanford Site's Office of Civilian Radioactive Waste Management Quality Assurance program Q-List. The additional quality assurance requirements will affect the cost but will not have any impact on the schedule for fabrication of the MCO and baskets.

Strategy/Status: Baseline change requests have been developed to define the impacts and to provide the authorization to place the MCOs and the MCO baskets on the Q-List. The BCRs are in the approval process. Clear definition of the SNF Project's interpretation of required actions to satisfy the RL guidance has been documented to RL.

Spent Nuclear Fuels WBS 1.3

FY 1999 COST/SCHEDULE PERFORMANCE - ALL FUND TYPES Cumulative to Date Status



Spent Nuclear Fuels WBS 1.3

		FYTD					AUTH	PTS
		BCWS	BCWP	ACWP	SV	CV	BSLN	BCWS
1.3								
PBS								
WM01	Expense	21.1	18.7	20.9	(2.4)	(2.2)	165.9	146.5
Spent Nuclear Fuel	CENRTC	2.7	1.1	1.6	(1.6)	(0.4)	0.0	18.5
	GPP/LI	4.0	2.2	3.7	(1.8)	(1.5)	24.7	25.6
Sub-Total WM01		27.8	22.0	26.2	(5.8)	(4.2)	190.6	190.6
WM02	Expense	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Storage Canister	CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total WM02		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Expense	21.1	18.7	20.9	(2.4)	(2.2)	165.9	146.5
	CENRTC	2.7	1.1	1.6	(1.6)	(0.4)	0.0	18.5
	GPP/LI	4.0	2.2	3.7	(1.8)	(1.5)	24.7	25.6
Total		27.8	22.0	26.2	(5.8)	(4.2)	190.6	190.6

\$ In Millions

COST VARIANCE ANALYSIS: (-\$4.2M)

WBS/PBS

Title

1.3.1.1/WM01

Spent Nuclear Fuel

Description and Cause: Of the \$4.2 million unfavorable variance, \$1.1 million is due to engineering costs for the Cold Vacuum Drying Facility are higher than planned; \$0.9 million for contract accruals misrepresented; \$0.5 million is due to SNF Project fee requirements resulting from Site Restructure; and \$0.4 million for Safety Analysis Reports overrun.

Impact: These overruns were anticipated changes foreseen during the contingency analysis and will be allocated through baseline change control. Essentially all contingency will be utilized.

Corrective Actions: SNF Project will continue to look at cost efficiencies to replenish contingency.

SCHEDULE VARIANCE ANALYSIS: (-\$5.8M)

WBS/PBS

Title

1.3.1.1/WM01

Spent Nuclear Fuel

Description and Cause: The \$5.8 million (21 percent) unfavorable schedule variance is a result of late award of fixed price contract for the Canister Storage Building; KE Construction of the Facility Modifications due to resource prioritization; Modular office trailer procurements delayed due to design changes and regulatory concerns; Integrated Water Treatment System KE construction due to design/fabrication rebid.

Impacts: All projects continue to support the fuel move date of November 30, 2000. Deliveries will support Tri-Party Agreement dates. Although variances are not currently negatively affecting planned fuel movement; negative impacts could result if work around plans are not accomplished.

Corrective Actions: SNF Project is developing, analyzing, and implementing recovery plans designed to mitigate schedule variances. All recovery plans support the November 2000 fuel movement milestone.

Spent Nuclear Fuels – WBS 1.3

Milestone Achievement

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	2	0	2
DOE-HQ	0	0	0	0	0	0	0	0
FO	0	0	0	0	0	1	0	1
RI	0	0	0	0	0	4	0	4
Total Project	0	0	0	0	0	7	0	7

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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Overdue – 0

Forecast Late – 0